



IFW16

RAW SEQUENCE LISTING

DATE: 09/17/2004

PATENT APPLICATION: US/10/069,129

TIME: 11:57:28

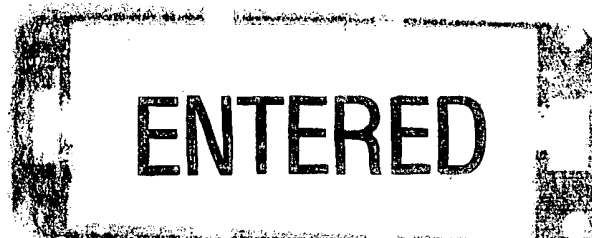
Input Set : A:\114.REVSEQ.txt

Output Set: N:\CRF4\09172004\J069129.raw

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3 <110> APPLICANT: Kauhanen, Jussi
4     Karvonen, Matti
5     Pesonen, Ullamari
6     Koulu, Markku
7     Uusitupa, Matti
9 <120> TITLE OF INVENTION: Diagnosis of a Person's Risk of Developing Alcoholism
10    Based on Leucine7 to Proline 7 Polymorphism in the
11    Prepro-Neuropeptide Y Gene, and methods for the
12    prevention and Treatment of Alcoholism
14 <130> FILE REFERENCE: 2630-114
16 <140> CURRENT APPLICATION NUMBER: US 10/069,129
17 <141> CURRENT FILING DATE: 2002-06-28
19 <150> PRIOR APPLICATION NUMBER: WO PCT/FI01/00103
20 <151> PRIOR FILING DATE: 2001-02-06
22 <150> PRIOR APPLICATION NUMBER: US 60/219,234
23 <151> PRIOR FILING DATE: 2000-03-21
25 <160> NUMBER OF SEQ ID NOS: 9
27 <170> SOFTWARE: PatentIn Ver. 2.0
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 325
31 <212> TYPE: DNA
32 <213> ORGANISM: Homo sapiens
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39 ggtgggagtc acccaagcgt gactgcccga ggccctcct gccgcggcga ggaagctcca 180
41 taaaagccct gtcgcgacct gctctctgca ccccatccgc tggctctcac ccctcggaga 240
43 cgctcgcccc acagcatagt acttgccgcc cagccacgcc cgcgcgccag ccaccgtgag 300
45 tgctacgacc cgtctgtcta ggggt                                     325
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 247
50 <212> TYPE: DNA
51 <213> ORGANISM: Homo sapiens
53 <400> SEQUENCE: 2
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56 gactgacct cgcctgtgct ctgctcgtgt gcctgggtgc gctggccgag gcgtacct 120
58 ccaagccgga caaccgggc gaggacgcac cagcggagga catggccaga tactactcag 180
60 cgctcgacac ctacatcaac ctcatcacca ggcagaggtg ggtgggaccg cgggaccgat 240
62 tccggga                                     247
65 <210> SEQ ID NO: 3
66 <211> LENGTH: 142
67 <212> TYPE: DNA
68 <213> ORGANISM: Homo sapiens

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70 <400> SEQUENCE: 3
71 acttgcttta aaagactttt tttttccag atatggaaaa cgatctagcc cagagacact 60
73 gatttcagac ctcttgatga gagaaagcac agaaaatggt cccagaactc ggtatgacaa 120
75 ggcttgatgat ggggacattg tt 142
78 <210> SEQ ID NO: 4
79 <211> LENGTH: 300
80 <212> TYPE: DNA
81 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 4
84 ccttacatgc ttgtcttctt atgttttaca ggcttgaaga ccttgcaatg tggatgagg 60
86 aaatgagact tgcctctctg ccttttctta ttttcagccc atatttcac gtgtaaaacg 120
88 agaatccacc cactctacca atgcatgcag ccaactgtgt gaattctgca atgttttct 180
90 ttgtcatcat tgtatatatg tgtgtttaaa taaagtatca tgcattcaaa agtgtatcct 240
92 cctcaatgaa aaatctatta caatagttag gattattttc gttaactta ttattaacaa 300
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96 <211> LENGTH: 551
97 <212> TYPE: DNA
98 <213> ORGANISM: Homo sapiens
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101 <221> NAME/KEY: CDS
102 <222> LOCATION: (87)..(377)
104 <220> FEATURE:
105 <221> NAME/KEY: sig_peptide
106 <222> LOCATION: (87)..(170)
108 <400> SEQUENCE: 5
109 accccatccg ctggctctca cccctcggag acgctcgccc gacagcatag tacttgccgc 60
111 ccagccacgc ccgcgcgcca gccacc atg cta ggt aac aag cga ctg ggg ctg 113
112 Met Leu Gly Asn Lys Arg Leu Gly Leu
113 1 5
115 tcc gga ctg acc ctc gcc ctg tcc ctg ctc gtg tgc ctg ggt gcg ctg 161
116 Ser Gly Leu Thr Leu Ala Leu Ser Leu Leu Val Cys Leu Gly Ala Leu
117 10 15 20 25
119 gcc gag gcg tac ccc tcc aag ccg gac aac ccg ggc gag gac gca cca 209
120 Ala Glu Ala Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro
121 30 35 40
123 gcg gag gac atg gcc aga tac tac tcg gcg ctg cga cac tac atc aac 257
124 Ala Glu Asp Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn
125 45 50 55
127 ctc atc acc agg cag aga tat gga aaa cga tcc agc cca gag aca ctg 305
128 Leu Ile Thr Arg Gln Arg Tyr Gly Lys Arg Ser Ser Pro Glu Thr Leu
129 60 65 70
131 att tca gac ctc ttg atg aga gaa agc aca gaa aat gtt ccc aga act 353
132 Ile Ser Asp Leu Leu Met Arg Glu Ser Thr Glu Asn Val Pro Arg Thr
133 75 80 85
135 cgg ctt gaa gac cct gca atg tgg tgatgggaaa tgagacttgc tctctggcct 407
136 Arg Leu Glu Asp Pro Ala Met Trp
137 90 95
139 tttcctatctt tcagcccata tttcatcgtg taaaacgaga atccacccat cctaccaatg 467
141 catgcagcca ctgtgctgaa ttctgcaatg ttttcctttg tcatcattgt atatatgtgt 527

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143 gtttaaataa agtatcatgc attc 551

146 <210> SEQ ID NO: 6

147 <211> LENGTH: 97

148 <212> TYPE: PRT

149 <213> ORGANISM: Homo sapiens

151 <400> SEQUENCE: 6

152 Met Leu Gly Asn Lys Arg Leu Gly Leu Ser Gly Leu Thr Leu Ala Leu

153 1 5 10 15

155 Ser Leu Leu Val Cys Leu Gly Ala Leu Ala Glu Ala Tyr Pro Ser Lys

156 20 25 30

158 Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp Met Ala Arg Tyr

159 35 40 45

161 Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln Arg Tyr

162 50 55 60

164 Gly Lys Arg Ser Ser Pro Glu Thr Leu Ile Ser Asp Leu Leu Met Arg

165 65 70 75 80

167 Glu Ser Thr Glu Asn Val Pro Arg Thr Arg Leu Glu Asp Pro Ala Met

168 85 90 95

170 Trp

173 <210> SEQ ID NO: 7

174 <211> LENGTH: 12

175 <212> TYPE: RNA

176 <213> ORGANISM: Homo sapiens

178 <220> FEATURE:

179 <221> NAME/KEY: misc_feature

180 <222> LOCATION: (10)

181 <223> OTHER INFORMATION: n is a u in the wildtype and c in the mutant

183 <400> SEQUENCE: 7

W--> 184 acaagcgacn gg 12

187 <210> SEQ ID NO: 8

188 <211> LENGTH: 9

189 <212> TYPE: DNA

190 <213> ORGANISM: Homo sapiens

192 <220> FEATURE:

193 <221> NAME/KEY: misc_feature

194 <222> LOCATION: (5)

195 <223> OTHER INFORMATION: n is a t in the wildtype and c in the mutant

197 <400> SEQUENCE: 8

W--> 198 cgacngggg 9

201 <210> SEQ ID NO: 9

202 <211> LENGTH: 12

203 <212> TYPE: DNA

204 <213> ORGANISM: Homo sapiens

206 <400> SEQUENCE: 9

207 acaagcgacc gg 12

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/069,129

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; N Pos. 10 ✓

Seq#:8; N Pos. 5 ✓

VERIFICATION SUMMARY

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Input Set : A:\114.REVSEQ.txt

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L:184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0

L:198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0